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ABSTRACT

Scientists need to measure and communicate, to handle information, and model ideas. In essence, they need to process information. Young scientists have the same needs. Computers have become a tremendously important addition to the processing of information through database use, graphing and modeling and also in the collection of information through the use of sensors directly connected to the computer. This sourcebook for teachers is a major catalogue of ideas for teaching science with information technology (IT) and provides numerous examples and activities for teachers and students using computers to explore. The topics covered include biology, chemistry, and physics applications of: databases, spreadsheets, sensors, word processing, graphics, and modeling. Also included are sources for curriculum materials, software, data logging and control, advice, national organizations, and suppliers. (MVL)

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